UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/080,425	02/22/2002	Troy Curtiss	UTL 00179	8289

7590   05/21/2004

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EXAMINER
PHU, SANH D

ART UNIT	PAPER NUMBER
2682	

DATE MAILED: 05/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/080,425	CURTISS ET AL.
	Examiner	Art Unit
	Sanh D Phu	2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *22 February 2002*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-28* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 1-04)   Office Action Summary   Part of Paper No./Mail Date 2

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

> A person shall be entitled to a patent unless -
>
> (e) the invention was described in (1) an application for patent, published under section
> 122(b), by another filed in the United States before the invention by the applicant for patent
> or (2) a patent granted on an application for patent by another filed in the United States
> before the invention by the applicant for patent, except that an international application filed
> under the treaty defined in section 351(a) shall have the effects for purposes of this
> subsection of an application filed in the United States only if the international application
> designated the United States and was published under Article 21(2) of such treaty in the
> English language.

2.   Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by

Hutchison et al (6,725,061).

Regarding to claim 1, Hutchison et al disclose that an accessory (201) and

a wireless communication device (101) configured to detect the type of

accessory connected to the wireless communication device comprising:

an accessory (201) comprising:

two (212, 214) or more outputs configured to connected to the wireless

communication device and output one or more signals to the wireless

communication device (see Fig. 1 and 2, col. 2, lines 62-67);

a signal source (212)(microphone) configured to connect to at least one

of the two or more outputs (see Fig. 2);

an wireless communication device (101) comprising:

two (212, 214) or more inputs configured to receive one (212) or more

signals from the accessory (201);

a processor configured to (112):

analyze the one or more signals on the two or more inputs to determine a

type of accessory connected to the wireless communication device (see Fig. 4);

and

initiate accessory interaction based on the analysis (see Fig. 5, col. 7, line

14 to col. 10, line 9) .

Regarding to claim 2, Hutchison et al disclose that the accessory and

wireless communication device wherein the accessory further includes memory

and wherein the processor is further configured to read data from the memory

in the accessory (see col. 6, lines 22-23, an external accessory has a memory to store an ID code).

Regarding to claim 3, Hutchison et al disclose that the accessory and wireless communication device wherein the accessory comprises a hands-free system (202,210) (see Fig. 2).

Regarding to claim 4, Hutchison et al disclose that the accessory and wireless communication device wherein the one or more signals comprise DC voltage levels (see col. 5, lines 29-31).

Regarding to claim 5, Hutchison et al disclose that the accessory and wireless communication device wherein the DC voltage levels comprise logic `1` values and logic `0` values (see col. 5, lines 29-55).

Regarding to claim 6, Hutchison et al disclose that the accessory and wireless communication device wherein accessory interaction comprises executing software code to interface with the accessory (see Fig. 5, col. 7, line 16 to col. 10, line 9).

Regarding to claim 7, Hutchison et al disclose that the accessory and wireless communication device wherein the wireless communication device comprises a cellular telephone (see col. 2, line 55).

Regarding to claim 8, the Hutchison et al disclose that accessory and wireless communication device wherein the accessory further includes a memory configured to store a control code, the memory accessible via the two or more outputs (see col. 6, lines 22-23, an external accessory has a memory to store an ID code).

Regarding to claim 9, see Fig. 1, 2, 3, 4 and 5, col. 2, line 62 to col. 6, line 29, Hutchison et al disclose that an accessory (201) for use with a communication device (101) comprising:

two (212, 214) or more output terminals configured to connect to a communication device (see Fig. 1 and 2);

a power source connection configured to connect to a power source (see col. 5, lines 29-55);

a signal generator configured to obtain power from the power source connection and provide a signal on at least one of the two or more output

terminals, wherein the accessory is identified by which output terminals are

provided a signal (see col. 5, lines 29 to col. 6, line 29).

Regarding to claim 10, Hutchison et al discloses that the accessory

wherein the power source connection is configured to connect to a 12-volt

power supply (external power is 12 V car battery).

Regarding to claim 11, Hutchison et al disclose that the accessory

wherein the signal generator is a semiconductor device configured to generate

a DC signal ("high logic" or "low logic" level, see col. 5, lines 29-55).

Regarding to claim 12, Hutchison et al disclose that the accessory further

including a memory configured to store a control code, the memory accessible

via the two or more output terminals (see col. 6, lines 22-23, an external

accessory has a memory to store an ID code).

Regarding to claim 13, Hutchison et al disclose that a method for

detecting a category of an accessory (201) connected to a communication

device (101):

providing a communication device with two (212, 214) or more inputs;

monitoring the two or more inputs for a voltage (see col. 5, lines 29-55);

comparing the inputs having a voltage (High logic or Low logic) to

predetermined patterns (see col. 5, lines 29-55); and

determining, responsive to the comparing, the category of the accessory

connected to a communication device (see col. 5, lines 29-55).

Regarding to claim 14, Hutchison et al disclose that the method further

includes reading ID code data from a memory located in the accessory and

analyzing the data (see Fig. 3, col. 6, lines 16-29).

Regarding to claim 15, Hutchison et al disclose that the method further

including providing an accessory with two or more outputs and connecting two

or more outputs of the accessory to the two or more inputs of the

communication device (see Fig. 2).

Regarding to claim 16, Hutchison et al disclose that the method wherein

the data comprises control data and the method further includes reading at

least a portion of the control data from the memory in the accessory (see col. 6,

lines 22-23, an external accessory has a memory to store an ID code).

Regarding to claim 17, Hutchison et al disclose that the method wherein

one of the predetermined patterns comprise at least one input receiving a

voltage and the remaining inputs receiving no voltage (see Fig. 3).

Regarding to claim 18, Hutchison et al disclose that the method wherein

the accessory comprises a speakerphone system (210) and the communication

device (101) comprises a wireless telephone (see Fig. 2).

Regarding to claim 19, Hutchison et al disclose that the method further

comprising reading accessory data stored in a memory on the accessory and

initiating an accessory interaction operation based on the comparing (see Fig.

3, col. 6, lines 15-29).

Regarding to claim 20, Hutchison et al disclose that the method wherein

the accessory interaction comprises setting audio parameters (see Fig. 2,

setting 214).

Regarding to claim 21, Hutchison et al disclose that the method wherein

the accessory interaction comprises executing software code (see Fig. 5).

Regarding to claim 22, Hutchison et al disclose that a method for

initiating operation of an interface of a communication device comprising:

providing a communication device having two or more inputs (see Fig. 2);

monitoring the two or more inputs for a signal (see col. 5, lines 5-7);

detecting a signal on one or more of the inputs (see col. 5, lines 5-19);

processing the signal to determine a type of accessory connected to the

communication device (see Fig. 3); and

initiating an accessory interaction operation based on the processing (see

Fig. 3, 4, 5).

Regarding to claim 23, Hutchison et al disclose that the method wherein

the signal comprises a DC signal (High logic or Low logic level).

Regarding to claim 24, Hutchison et al disclose that the method wherein

processing comprise comparing the signal to data stored in memory see col. 6,

lines 15-29).

Regarding to claim 25, Hutchison et al disclose that the method wherein

processing comprises providing a signal to control logic, the control logic

configured to determine an accessory type (see Fig. 3, 4, 5).

Regarding to claim 26, Hutchison et al disclose that an apparatus for

detecting a type of accessory connected to a communication device, the

apparatus comprising:

means for receiving an electrical signal from an accessory (col. 5, lines 5-

7 and 15-19) ;

means for detecting an electrical signal from the accessory (see col. 15-

19;

means for analyzing an electrical signal from the accessory and

controlling communication device operation based on the analyzing (see fig.

3,4 , 5, col. 5, line 5 to col. 6, line 29).

Regarding to claim 27, Hutchison et al disclose that the apparatus further

includes means for retrieving data from the accessory (see col. 6, lines 22-23,

read ID data from the accessory).

Regarding to claim 28, Hutchison et al disclose that the apparatus

wherein the means for analyzing an electrical signal comprises means for

determining which of two or more means for receiving is receiving an electrical

signal (DC signals are inherently electrical signals).

Conclusion

3.   Any inquiry concerning this communication or earlier communications

from the examiner should be directed to Sanh D Phu whose telephone number

is (703) 305-8635. The examiner can normally be reached on 8:00-16:30.

The fax phone number for the organization where this application or

proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application

or proceeding should be directed to the receptionist whose telephone number

is 703-305-8635.

Sanh D. Phu
Examiner
Art Unit 2682

VIVIAN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

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